



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,330	12/12/2001	Qiang Cao	33-11-2-6-2	8397

7590 11/23/2004

Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawford Corner Road
Holmdel, NJ 07733-3030

EXAMINER

DAO, MINH D

ART UNIT	PAPER NUMBER
----------	--------------

2682

DATE MAILED: 11/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/020,330	Applicant(s) CAO ET AL.	
	Examiner MINH D DAO	Art Unit 2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-9 and 11 is/are allowed.
- 6) ☒ Claim(s) 10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/12/2001</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claim 10 is rejected under 35 U.S.C. 102(e) as being anticipated by Hamalainen (EP 0642283 A2).

Regarding claim 10, Mademann teaches a mobile user equipment for a telecommunications network (see fig. 1A): comprising, the user equipment being connectable by radio transmission to a control element in the network (see fig. 1A, link between Mobile Station MS and BTS) wherein the equipment is arranged to store within it a group of semi-static signaling-related parameters (see page 2, lines 46-58).

Allowable Subject Matter

2. Claims 1-9, and 11 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the closest prior arts of record are: Halmalainen Jari (EP 0642283 A2), Dent (US 5091,942), Spinner (US 6,731,937), Mademann (US 6,185,196). Halmalainen teaches storing a parameter of the fixed station for setting up a data communication at the mobile station. Dent teaches the IS-54 authentication procedure where the visited network periodically determines and broadcasts the random challenge signal to the mobile. Spinner teaches all set-up parameters are stored in the subscriber station. Mademann teaches service network checking the access authorization of a mobile to the network. However, these cited references, alone or in combination, fails to teach that in a mobile telecommunications network comprising a core network and a plurality of control elements, each control element being connectable by radio transmission with a plurality of mobile user equipments, a method of communicating to each user equipment a multiplicity of signaling-related parameters comprising: grouping the parameters into a first, semi-static group and a second, dynamic group; storing the first group of parameters in the user equipment; when a signaling requirement is to be transmitted over the radio interface, sending to the user equipment the parameters in the second group and inquiring whether the user

equipment has stored within it the parameters in the first group relating to that signaling requirement; and, if so, implementing the signaling requirement. As specified in the claim.

Regarding claim 9, the closest prior arts of record are: Halmalainen Jari (EP 0642283 A2), Dent (US 5091,942), Spinner (US 6,731,937), Mademann (US 6,185,196). Halmalainen teaches storing a parameter of the fixed station for setting up a data communication at the mobile station. Dent teaches the IS-54 authentication procedure where the visited network periodically determines and broadcasts the random challenge signal to the mobile. Spinner teaches all set-up parameters are stored in the subscriber station. Mademann teaches service network checking the access authorization of a mobile to the network. However, these cited references, alone or in combination, fails to teach that A control element for a mobile telecommunications network which is connectable by radio transmission with a plurality of mobile user equipments, comprising, when a user equipment requests a frequently-used service, the control element is arranged to send to the user equipment over the radio interface dynamic signaling-related parameters related to the requested service, and to request the user equipment to indicate if it has stored within it, the semi-static signaling-related parameters related to the requested service; and, if a positive indication is received from the user equipment, to complete call set-up. As specified in the claim.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D DAO whose telephone number is 703-305-5589. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, VIVIAN C CHIN can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Minh Dao
Art Unit 2682
October 13, 2004 *md*


LEE NGUYEN
PRIMARY EXAMINER